Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Currently Amended) A system for accessing remote devices on a communications network using out of band access, comprising:
 - a first network configured to enable a user computing device to access remote network elements;
 - a firewall in communication with said first network and configured to restrict access to said first network and the user;
 - a router in communication with said firewall and a remote network element, an in-band access path defined by a communication path between the user computing device and the remote network element via said first network, firewall, and router; a first server in communication with said firewall:
 - a modem bank in communication with said first server and further in communication with the remote network elements via a public switched telephone network (PSTN), an out-of-band access path defined by a communication path between the user computing device and the remote network element via said first network, firewall, first server, modem bank, and PSTN;

[[a]] said first server [[operable]] configured to[[,]]:

- (1) receive a request to communicate with the one or more remote network elements;
- (2) authenticate a user;
- (3) facilitate a session with a second server for establishing connection with an external network element;
- (4) establish secure pathway over a communications network; and
- (5) transmit data for monitoring system functions; and
- [[a]] <u>said</u> modem bank including a plurality of modems in communication with said first and second servers and operable to authenticate a request to access remote network elements and to communicate operational status of a plurality of network elements.

- 2. (Original) The communications system of claim 1, wherein said second server is further operable to select a specific modern.
- 3. (Original) The communications system of claim 1, wherein said first server is further operable to log invalid modem-login attempts.
- 4. (Original) The communications system of claim 1, wherein said first server is further operable to allow specific access to privileged users for accessing network elements.
- 5. (Cancelled)
- 6. (Currently Amended) A method for securely retrieving a status of one or more remote devices, the method comprising:

communicating between a user computing device and a network element via an inband access path, the inband access path including a firewall and router;

communicating between the user computing device and the network element via an out-of-band access path, the out-of-band access path including the firewall, a first server, a modem bank, and a public switched telephone network;

requesting, from a first network the user computing device, out-of-band access to a second the network element via one of a plurality of modems located in [[a]] the modem bank configured to communicate with a remote modem in communication with the network element;

communicating, from the first network device via the out-of-band access path with the one of a plurality of modems, with the remote modem coupled to said second network element; and authenticating a request to access the remote modem.

- 7. (Cancelled)
- 8. (Currently Amended) The method of claim 6 [[7]], wherein authenticating a request includes validating a number dialed to determine if a request from said number is authorized to connect with said remote modern.
- 9. (Currently Amended) The method of claim 8, wherein authenticating a request further includes processing security credentials to obtain access to said second the network element.
- 10. (Currently Amended) The method of claim 6 [[7]], wherein authenticating a request further includes one or more selections from the following:

providing a trusted communications pathway between a source element and a destination element using selective call acceptance (SCA);

encrypting communicated data to secure network communications; authenticating said source and destination elements; and utilizing automatic number identification (ANI) to authenticate a calling request.

11. (Previously presented) One or more computer-readable storage media having computer-useable instructions embodied thereon, the instructions, when executed on a computing device, cause the computing device to:

receive a first request via an out-of-band process to establish a communications pathway with a network device;

receive a security identifier to authenticate said first request; identify a dial-up number for accessing a remote modem; capture information associated with said first request to a log file;

direct a server to identify one of a plurality of modems located in a modem bank that can provide feedback related to said network device;

authenticate a second request, said request being a request to access said remote modem; and authenticate a third request, said third request being a request to access said network element.

- 12. (Original) The media of claim 11, wherein receiving a first request further comprises establishing a communications pathway by exchanging packets of information using one or more network protocols.
- 13. (Original) The media of claim 12, wherein receiving a first request further comprises issuing a command to the network device to authenticate access to the network device.
- 14. (Original) The media of claim 11, wherein receiving a security identifier includes receiving one or more security-credential components.
- 15. (Original) The media of claim 11, wherein requesting a dial-up number includes: issuing a request from a user; receiving a telephone number for dialing; and validating said telephone number against a predetermined dialing list.

- 16. (Original) The media of claim 11, wherein capturing information includes capturing session information.
- 17. (Original) The media of claim 16, wherein said session information includes data related to one or more of the following events:

failed attempts to access a network resource;

successful attempts to access one or more elements designated as sensitive or critical components;

logon successes and failures; account creation or deletion; account maintenance activity; dial-up activity; periods of system non-availability; and security-administration activities.

- 18. (Original) The media of claim 16, wherein information captured includes one or more of the following:
 - a user identifier;
 - a time stamp;
 - a date stamp
 - a logon attempt;
 - a logoff attempt;
 - a network address;
 - a client identifier;
 - a user's location;
 - a dialed access number; and
 - a reason for logging an event.
- 19. (Original) The media of claim 11, wherein directing a server to select a modem includes: sending a request to establish a communications link with a remote modem; selecting a modem from a modem pool; receiving a response from said server to establish a link with said pooled modem; and

dialing a telephone number to said pooled modem to establishing a link with said remote modem.

20. (Original) The media of claim 11, wherein authenticating a second request to access said remote modern includes:

receiving login identification for accessing said remote modem; verifying said login identification against a list of authorized users; and notifying said user with a status response.

- 21. (Original) The media of claim 20, wherein said log-in identification is a username and password.
- 22. (Original) The media of claim 20, wherein said status response is an approval or denial to access said remote modem.
- 23. (Original) A system for retrieving status information from a remote device on a communications network, the system comprising:
- a server programmed to receive one or more requests from a user to access said remote device and to authenticate that said one or more requests are submitted by an authorized user; and a modem bank communicatively coupled to said server and to a remote modem,

wherein said remote modem is configured to accept communications only from a predetermined set of addresses or phone numbers, and

wherein said remote modem is coupled to said remote device.

- 24. (Original) The system of claim 23, wherein said remote device cannot be accessed without authenticating said user.
- 25. (New) The communications system of claim 1, wherein a second server is in communication with said first server and modem bank via said first server, and configured to select a modem in the modem bank over which to communicate information communicated between the user computing device and remote network elements.
- 26. (New) The communications system of claim 25, wherein selection of the modem is performed using a rotational selection scheme.